

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

(12) UK Patent Application (19) GB (11) 2 246 314 A (13)  
(43) Date of A publication 29.01.1992

(21) Application No 8901438.5

(22) Date of filing 23.01.1989

(71) Applicant  
Francis John Rogers  
17 Church Street, Kingsbridge, South Devon, TQ7 1BT,  
United Kingdom

(72) Inventor  
Francis John Rogers

(74) Agent and/or Address for Service  
Messrs Weedon & Shaddick  
Small Business Centre, Lloyds Bank PLC,  
65/67 Fore Street, Kingsbridge, Devon, TQ7 1PN,  
United Kingdom

(51) INT CL<sup>5</sup>  
B26B 21/44

(52) UK CL (Edition K)  
B4B B31B B33E

(56) Documents cited  
GB 2176142 A EP 0239333 A EP 0123765 A  
US 4753006 A US 4696106 A US 3985146 A

(58) Field of search  
UK CL (Edition J) B4B  
INT CL<sup>4</sup> B26B

(54) Disposable razor

(57) A razor which is disposable contains its own shaving soap or gel. The shaving soap or gel is contained in a sack in the shaft of the razor and is released through the head of the razor when pressure is applied to the sack by means of pressure pads mounted one on each side of the stem of the razor. The pads engage respective springs bearing on plates which compress the sack.

SHOWING SOAP OPERATION.

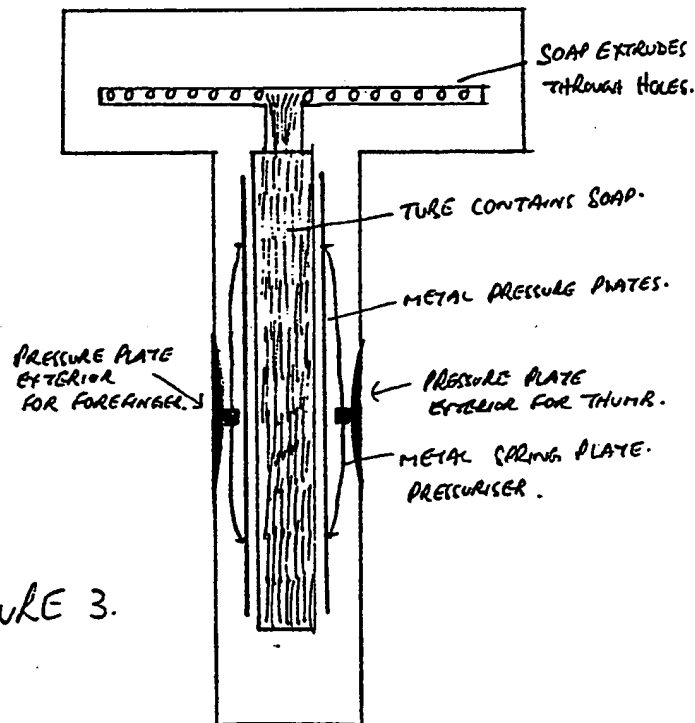


FIGURE 3.

DISPOSABLE TYPE SHAVER. CONTAINS ENCAUST SOAP FOR ONE SHAVE.

1/3

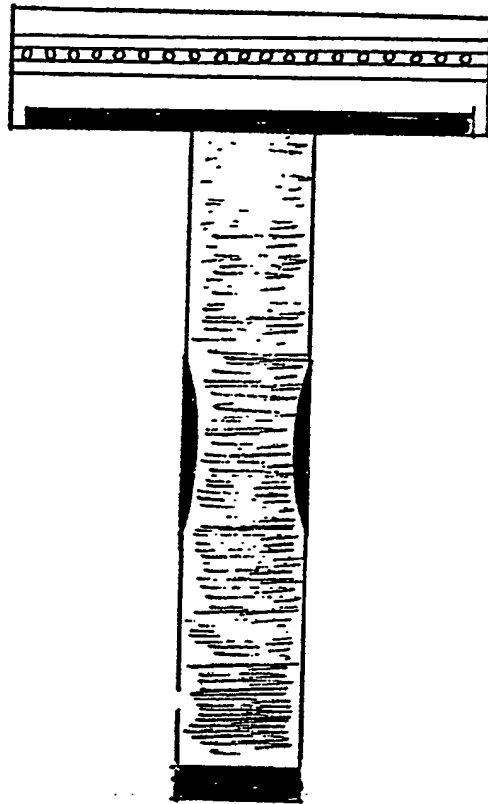


FIGURE 1

2/3

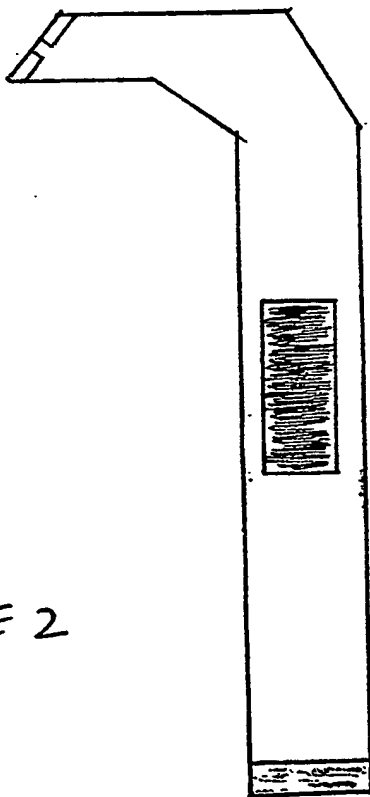


FIGURE 2

SHOWING SOAP OPERATION.

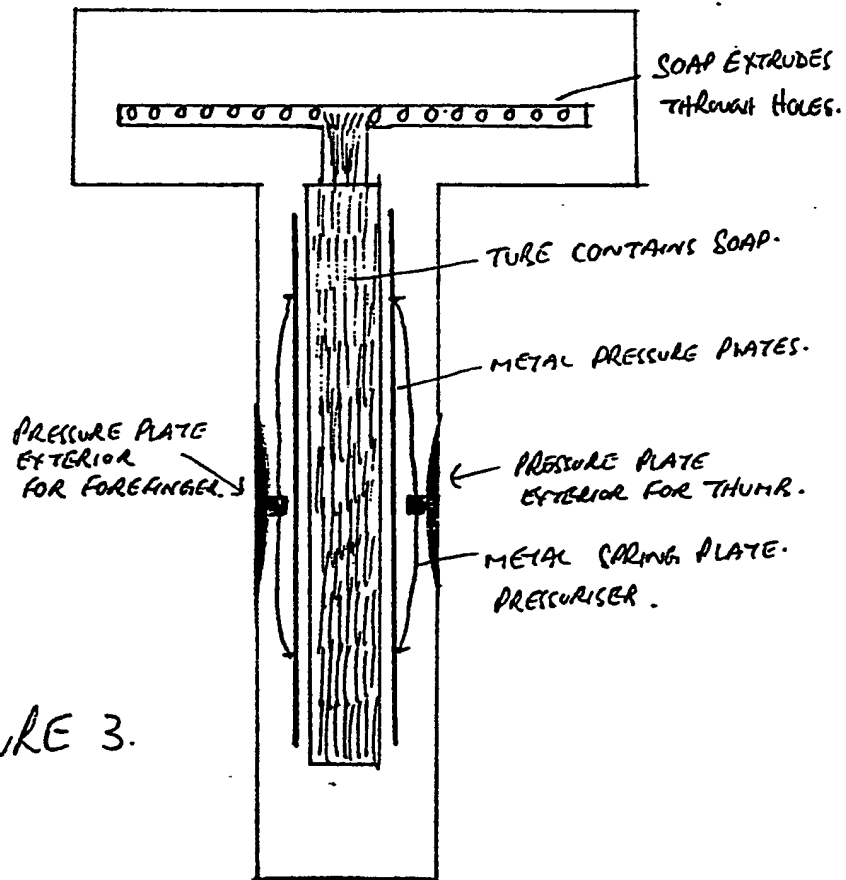


FIGURE 3.

DISPOSABLE TYPE SHAVER. CONTAINS ENOUGH SOAP FOR ONE SHAVE.

-1-

**ALL-IN-ONE DISPOSABLE RAZOR****TECHNICAL FIELD**

This invention relates to an all-in-one disposable razor.

**BACKGROUND**

Disposable razors are well known and comprise a plastic stem and a head incorporating twin - or single blade. Some razors have a swivel head system.

Disposable razors have to be used in conjunction with a brush & soap stick, an aerosol containing shaving soap or a tube containing shaving soap. They do not contain their own shaving gel or soap.

**EXAMPLE**

A specific embodiment of the invention will now be described by way of example with reference to the accompanying drawing in which.

**FIGURE 1** shows the exterior design of the razor.

**FIGURE 2** shows a side exterior view of the razor.

**FIGURE 3** shows the interior working of the razor.

#### DETAILED DESCRIPTION

The all-in-one disposable razor contains its own shaving soap or gel and does not require any additional shaving substance.

The shaft of the razor contains a tubular sack in which is held sufficient shaving soap or gel for one shave. The shaft has two pressure pads on either side. When pressed between thumb and forefinger 2 spring steel arms on either side squeeze the sack as and when required and the shaving soap or gel travels up the tube and is dispersed through holes in the head of the razor on to the face. The holes are situated under the blade(s) shaving commences.

Figure 1: Razor is dipped into water. Thumb and finger pressure is applied either side of razor stem. Soap is released onto face. Shaving commences.

Figure 2: Twin Blade. Shaving soap extrudes through holes between or below blades.

Figure 3: Disposable type shaver. Contains enough soap for one shave.



CLAIMS

1. A disposable razor comprising a shaft & a head, the shaft in which contains shaving soap or gel. Sufficient for one shave.
2. An all-in-one disposable razor as claimed in Claim 1 which does not require additional shaving soap or shaving gel.
3. An all-in-one disposable razor as claimed in Claim 1 and Claim 2 is a complete shaving system in itself. Fully portable and only needs the addition of water.